

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/553, 694
Source: JFWO
Date Processed by STIC: 08/14/2006

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IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/553,694

DATE: 08/14/2006
TIME: 14:48:53

Input Set : A:\PTO.RJ.txt
Output Set: N:\CRF4\08142006\J553694.raw

3 <110> APPLICANT: SEKISUI CHEMICAL CO., LTD.
5 <120> TITLE OF INVENTION: IMMUNOGEN, COMPOSITION FOR IMMUNOLOGICAL USE, AND METHOD OF
PRODUCING

6	ANTIBODY USING THE SAME	
8	FILE REFERENCE: P0001632	
C-->	10 <140> CURRENT APPLICATION NUMBER: US/10/553,694	
C-->	10 <141> CURRENT FILING DATE: 2005-10-18	
10	<150> PRIOR APPLICATION NUMBER: JP2003-114503	
11	<151> PRIOR FILING DATE: 2003-04-18	
13	<160> NUMBER OF SEQ ID NOS: 20	
15	<170> SOFTWARE: PatentIn version 3.1	
17	<210> SEQ ID NO: 1	
18	<211> LENGTH: 1647	
19	<212> TYPE: DNA	
20	<213> ORGANISM: Escherichia coli	
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25	aacgtactgg cagatcgagt gaaAGTTACc ctcggTccAA aaggCCGTAA cgtAGTTCTG	120
27	gataAAATCTT tcggTgcacc gaccatcacc AAAGATGGTG ttccggttgc tcgtgaaATC	180
29	gaactggaaAG acaagtTCGA aaATATGGGT gCGCAGATGG tgAAAGAAGT tgcctctaaa	240
31	gcaaAcgacg ctgcaggcga cgttaccacc actgcaaccg tactggctca ggctatcatc	300
33	actgaaggTC tgAAAGCTGT tgctgcgggc atgaACCCGA tggacctgaa acgtggTatc	360
35	gacaAAAGCgg ttaccgctgc agttgaagaa ctgaaAGCgc tgcgttacc atgcTctgac	420
37	tctaaAGCga ttgctcaggT tggTaccatc tccgcttaact ccgacgaaac cgttaggtaaa	480
39	ctgatcgctg aagcgatggA caaAGTCGGT aaAGAAAGGCG ttatcaccgt tgaagacggT	540
41	accggTctgc aggacgaaCT ggacgtggTT gaaggatgc agttcgaccg tggctacctg	600
43	tctccttact tcatcaacAA gcccggAAact ggcgcagtag aactggaaAG cccgttcatc	660
45	ctgctggctg acaagAAAAT ctccaacatc cgCGAAATGC tgccggTTCT ggaagctgtt	720
47	gccaAAAGCAG gcaaAccgct gctgatcatc gctgaagatg tagaaggcga agcgtggca	780
49	actgctgttg ttaacaccat tgcgtgcATC gtgaaAGTCG ctgcggTTAA agcAccggc	840
51	ttcggcgtc gtcgtAAAGC tatgctgcag gatATCGCA cccTgactgg cggTaccgt	900
53	atctctgaag agatcggtat ggagctggAA aaAGCAACCC tggAAGACCT gggTCAGGCT	960
55	aaacgtgttg tcatcaacAA agacaccacc actatcatcg atggcgtggg tgaagaAGCT	1020
57	gcaatccagg gccgtgttgc tcagatccgt cagcagattg aagaAGCAAC ttctgactac	1080
59	gaccgtgaaa aactgcagGA acgcgtAGCG aaACTGGCAG gcggcgttgc agttatcaa	1140
61	gtgggtgctg ctaccgaaGT tggAAATGAAA gagaaaaAAAG cacgcgttGA agatGCCCTG	1200
63	cacgcgaccc gtgcgtcggt agaAGAAGGC gtggTgctg gtggTgggt tgcgtgtac	1260
65	cgcgtacgt ctAAACTGGC tgacctgcgt ggtcagaACG aagaccAGAA cgtgggtatc	1320
67	aaagttgcac tgcgtgcaat ggaAGCTCCG ctgcgtcaga tgcgtattgaa ctgcggcgaa	1380
69	gaaccgtctg ttgttgcAA caccgttAAA ggcggcgtacg gcaactacgg ttacaacgcA	1440
71	gcaaccgaaAG aatacggcaA catgatcgac atgggtatcc tggatccaAC caaAGTAACt	1500
73	cgttctgctc tgcgtacgc agttctgtg gtcggcgtga tgatcaccac cgaatgcAtG	1560
75	gttaccgacc tgccgaaaaAA cgatcgacgt gacttaggcg ctgcgtggcgg tatggcggc	1620
77	atgggtggca tggcggcat gatgtAA	1647

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80 <210> SEQ ID NO: 2
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 82 <212> TYPE: DNA
 83 <213> ORGANISM: Artificial
 85 <220> FEATURE:
 86 <223> OTHER INFORMATION: Designed oligonucleotide primer for PCR
 88 <400> SEQUENCE: 2
 89 agccactagt gcagctaaag acgtaaaatt cggttaacgac gc 42
 92 <210> SEQ ID NO: 3
 93 <211> LENGTH: 44
 94 <212> TYPE: DNA
 95 <213> ORGANISM: Artificial
 97 <220> FEATURE:
 98 <223> OTHER INFORMATION: Designed oligonucleotide primer for PCR
 100 <400> SEQUENCE: 3
 101 agcctctaga catcatgccg ccgatgccac ccatgccgcc cata 44
 104 <210> SEQ ID NO: 4
 105 <211> LENGTH: 40
 106 <212> TYPE: DNA
 107 <213> ORGANISM: Artificial
 109 <220> FEATURE:
 110 <223> OTHER INFORMATION: Designed oligonucleotide linker
 112 <400> SEQUENCE: 4
 113 ggtcttagatg gaaggttctgt tccagggtcc ggagatctcc 40
 116 <210> SEQ ID NO: 5
 117 <211> LENGTH: 40
 118 <212> TYPE: DNA
 119 <213> ORGANISM: Artificial
 121 <220> FEATURE:
 122 <223> OTHER INFORMATION: Designed oligonucleotide linker
 124 <400> SEQUENCE: 5
 125 ggagatctcc ggaccttgg aacagaacttc catctagacc 40
 128 <210> SEQ ID NO: 6
 129 <211> LENGTH: 1266
 130 <212> TYPE: DNA
 131 <213> ORGANISM: Homo sapiens
 133 <400> SEQUENCE: 6
 134 atggatgtgc tcagccctgg tcagggcaac aacaccacat caccaccggc tcccttttag 60
 136 accggcgcca acactactgg tatctccgac gtgaccgtca gctaccaagt gatcacctct 120
 138 ctgctgctgg gcacgctcat cttctgcgcg gtgctggca atgcgtgcgt ggtggctgcc 180
 140 atcgccttg agcgctccct gcagaacgtg gccaattatac ttattggctc tttggcggtc 240
 142 accgacacta tggtgtcggt gttggtgctg cccatggccg cgctgtatca ggtgctcaac 300
 144 aagtggacac tgggcaggt aacctgcgac ctgttcatcg ccctcgacgt gctgtgcgtc 360
 146 acctcatcca tcttgcacct gtgcgcacatc ggcgtggaca ggtactgggc catcacggac 420
 148 cccatcgact acgtgaacaa gaggacgccc cggccgcgtg cgctcatctc gctcaactgg 480
 150 ctattggct tcctcatctc tatccccccc atcctggct ggcgcacccc ggaagaccgc 540
 152 tcggaccccg acgcatgcac cattagcaag gatcatggct acactatcta ttccacctt 600
 154 ggagcttct acatcccgt gctgctcatg ctgggtctct atgggcgtat attccgagct 660
 156 ggcgcgttcc gcatccgcaa gacggtaaaa aaggtggaga agaccggagc ggacacccgc 720

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158	catggagcat	ctcccccccc	gcagcccaag	aagagtgtga	atggagagtc	ggggagcagg	780
160	aactggaggc	tggcggtgga	gagcaaggct	gggggtgctc	tgtgcgccaa	tggcgcggtg	840
162	aggcaagggt	acgatggcgc	cgcctggag	gtgatcgagg	tgcaccgagt	gggcaactcc	900
164	aaagagact	tgcctctgcc	cagcgaggt	ggtcctaccc	cttgcgtccc	cgccttttc	960
166	gagaggaaaa	atgagcgcaa	cgcggaggcg	aagcgcaaga	tggccctggc	ccgagagagg	1020
168	aagacagtga	agacgctggg	catcatcatg	ggcaccttca	tcctctgtg	gtgccttc	1080
170	ttcatcggtg	ctcttgttct	gcccttctgc	gagagcagct	gccacatgcc	caccctgttg	1140
172	gggccataaa	tcaattggct	gggctactcc	aactctctgc	ttaacccctgt	catttacgca	1200
174	tacttcaaca	aggacttca	aaacgcgtt	aagaagatca	ttaagtgtaa	ttctgccgc	1260
176	cagtga						1266
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182	<213>	ORGANISM:	Artificial				
184	<220>	FEATURE:					
185	<223>	OTHER INFORMATION:	Designed oligonucleotide primer for PCR				
187	<400>	SEQUENCE:	7				
188	agccagatct	atggatgtgc	tcagccctg				29
191	<210>	SEQ ID NO:	8				
192	<211>	LENGTH:	29				
193	<212>	TYPE:	DNA				
194	<213>	ORGANISM:	Artificial				
196	<220>	FEATURE:					
197	<223>	OTHER INFORMATION:	Designed oligonucleotide primer for PCR				
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203	<210>	SEQ ID NO:	9				
204	<211>	LENGTH:	1641				
205	<212>	TYPE:	DNA				
206	<213>	ORGANISM:	Thermococcus sp. KS-1				
208	<400>	SEQUENCE:	9				
209	atggcccgac	ttgcaggcca	gccagttgtt	attctacctg	agggactca	gaggtacgtt	60
211	ggaagggacg	cccagaggct	caacattctt	gctgccagga	ttatagccga	gacggtaga	120
213	accacccttg	gaccaaaggg	aatggacaag	atgctcggtt	acagcctcg	cgacatcg	180
215	atcaccaacg	acgggtcaac	cattctcgac	gagatggaca	tccagcaccc	tgctgctaag	240
217	atgatgggtt	agggtgctaa	gactcaggat	aaggaggctg	gtgatggta	tactactcg	300
219	gttggattt	ctggtagact	tctggagga	gctgaggagc	ttctcgacca	gaacattcac	360
221	ccgagcataaa	tcatcaaggg	ctacgccc	gcagcagaga	aagcccagga	aataactcgac	420
223	gagatagcca	aggacgttga	cgtcgaggac	agggagattc	tcaagaaggc	cgcggtcacc	480
225	tccatcaccc	gaaaggccgc	cgaggaggag	agggagttacc	tcgctgagat	agcagttgag	540
227	gccgtcaagc	agggtgccg	gaagggtggc	gagacactaca	aggtcgaccc	cgacaacatc	600
229	aatggcgaga	agaagaagg	tggaaagcgtc	aaggacaccc	agtcataaaa	gggtgtcg	660
231	atcgacaagg	aggtcgtcca	cccaggcatg	ccgaagaggg	tcgagggtgc	taagatcg	720
233	ctccatcaacg	aggcccttga	ggtcaaggag	actgagaccg	acgcccagat	caggatcacc	780
235	agcccgaggc	agctccaggc	ttcccttgc	caggaggaga	agatgctcag	ggagatgg	840
237	gacaagatca	aggagggtcg	cgcgaacgtc	gtgtcg	agaagggcat	tgacgac	900
239	gcccagact	acctggccaa	gtacggcata	atggcagtca	ggagggtcaa	gaagagcgac	960
241	atggagaagc	tcgccaaggc	cactggagct	aagatcg	ccaacgtccg	cgac	1020
243	ccggaggacc	tcggtaggc	cgagctcg	gagcagagga	aggtcgccgg	cgagaacatg	1080

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245 atttcgtcg agggctgcaa gaacccgaag gcagtgacaa tactcatcg gggcggtacc 1140
 247 gaggcacgtcg ttgacgaggt cgagagggcc ctcgaggatg ccgtcaaggt cgtcaaggac 1200
 249 atcgtcgagg acggcaagat cgtcgccgcc ggcgggtgctc cggagatcga gctcagcatc 1260
 251 aggctcgacg agtacgcgaa ggaggtcggc ggcaaggagc agctcgccat cgaggccttt 1320
 253 gcagaggccc tcaaggatcat tccgaggacc ctcgcccaga acgcccgtct cgaccggatc 1380
 255 gagaccctcg ttaaggatcat cgccgccccac aaggagaagg gaccgaccat cggtgttgac 1440
 257 gtcttcgagg gcgagccggc cgacatgctc gagcgcggcg tcatcgcccc ggtcagggtt 1500
 259 cccaaggcagg ccatcaagag cgccagcggag gccggcataa tgatccttag gatcgacgac 1560
 261 gtcatcgccg ccagcaagct cgagaaggac aaggaggcgg gcaaggccgg tagcgaggac 1620
 263 ttccgaaagcg atctcgactg a 1641
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 267 <211> LENGTH: 35
 268 <212> TYPE: DNA
 269 <213> ORGANISM: Artificial
 271 <220> FEATURE:
 272 <223> OTHER INFORMATION: Designed oligonucleotide primer for PCR
 274 <400> SEQUENCE: 10
 275 ggagatctgc ccagcttgcg ggccagccag ttgtt 35
 278 <210> SEQ ID NO: 11
 279 <211> LENGTH: 35
 280 <212> TYPE: DNA
 281 <213> ORGANISM: Artificial
 283 <220> FEATURE:
 284 <223> OTHER INFORMATION: Designed oligonucleotide primer for PCR
 286 <400> SEQUENCE: 11
 287 cccgatccga cgagatcgct tccgaagtcc tcgct 35
 290 <210> SEQ ID NO: 12
 291 <211> LENGTH: 76
 292 <212> TYPE: DNA
 293 <213> ORGANISM: Artificial
 295 <220> FEATURE:
 296 <223> OTHER INFORMATION: Designed oligonucleotide linker
 298 <400> SEQUENCE: 12
 299 ggcatatggg atccctgggtt ccgcgtggct caagatctct cgagcatcgc catcgccatc 60
 301 gctaatacgaa attccc 76
 304 <210> SEQ ID NO: 13
 305 <211> LENGTH: 76
 306 <212> TYPE: DNA
 307 <213> ORGANISM: Artificial
 309 <220> FEATURE:
 310 <223> OTHER INFORMATION: Designed oligonucleotide linker
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 313 ggaatttcct attagcgatg gcgatggcga tgctcgagag atcttgagcc acgcggaaacc 60
 315 aggatcccc tatgcc 76
 318 <210> SEQ ID NO: 14
 319 <211> LENGTH: 480
 320 <212> TYPE: DNA
 321 <213> ORGANISM: Thermococcus sp. KS-1
 323 <400> SEQUENCE: 14

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324 atgaaaagttg aagctggta ttatgttctc ttccactacg ttgaaagggtt cgaggatgga	60
326 gaagttttg acacaagcta cgaggagata gccagagaga atggcatctt cgtcgaggag	120
328 agggagtagc gcccaatgtg ggtcaggata ggcgtcggtg agatcatccc tggcctcgat	180
330 gaagccataa ttggcatgga agctggagag aagaagaccg tgaccgttcc ccccgagaag	240
332 gcttacggaa tgccgaaccc agagcttgc taatctccgttc caagggaaaga attcacaaag	300
334 gccggccttg aaccccgaga aggtctctac gtcatgaccg attctggcat agccaagata	360
336 gtttccgttg gagagagcga ggtatccctt gacttcaacc acccgctagc aggttaagacc	420
338 cttagtctttg aggtagaagt catagaagta aaaaaggccg aagaggactc agaagcttag	480
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342 <211> LENGTH: 28	
343 <212> TYPE: DNA	
344 <213> ORGANISM: Artificial	
346 <220> FEATURE:	
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353 <210> SEQ ID NO: 16	
354 <211> LENGTH: 26	
355 <212> TYPE: DNA	
356 <213> ORGANISM: Artificial	
358 <220> FEATURE:	
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366 <211> LENGTH: 40	
367 <212> TYPE: DNA	
368 <213> ORGANISM: Artificial	
370 <220> FEATURE:	
371 <223> OTHER INFORMATION: Designed oligonucleotide linker	
373 <400> SEQUENCE: 17	
374 ggactagtct ggccgcgtt ggatccata tggaatccgg	40
377 <210> SEQ ID NO: 18	
378 <211> LENGTH: 40	
379 <212> TYPE: DNA	
380 <213> ORGANISM: Artificial	
382 <220> FEATURE:	
383 <223> OTHER INFORMATION: Designed olligonucleotide linker	
385 <400> SEQUENCE: 18	
386 ccggattcca tatggatcc acgcggaaacc agactagtcc	40
389 <210> SEQ ID NO: 19	
390 <211> LENGTH: 24	
391 <212> TYPE: DNA	
392 <213> ORGANISM: Artificial	
394 <220> FEATURE:	
395 <223> OTHER INFORMATION: Designed oligonucleotide primer for PCR	
397 <400> SEQUENCE: 19	
398 ggcataatgga tgtgctcagc cctg	24
401 <210> SEQ ID NO: 20	

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2,3,4,5,7,8,10,11,12,13,15,16,17,18,19,20

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date